

## Abstract

5 A slider is described with a resistive electro-lapping guide (ELG), which is  
aligned with a structure in the write head such as the throat height or trailing  
shield thickness and extends from the lapping region through the ABS and is  
connected to pads on the surface of the slider. In a second embodiment the ELG  
is disposed entirely in the section of the slider which will be removed by lapping.  
Another embodiment of the invention is a system for single slider lapping which  
10 simultaneously monitors the resistance of the read sensor or a read head ELG  
and at least one ELG that is aligned with a structure in the write head. A  
controller uses the resistance information to implement an algorithm which  
decides when lapping should be terminated.

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